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(57) Abstract

PURPOSE: To enable a high performance processing by providing an information track on a code plate parallel with a rotating shaft for writing angular position information to obtain angular position information of a rotor with a reading laser beam scanning the track along the length thereof.

CONSTITUTION: A radiation beam 12 from a laser 8 is introduced to the optical system of a pickup 11 through an optical fiber the return beam is converted into an electrical signal with a photosensor 10 and led out as rotation angle detection data following the demodulation and decoding thereof with a processing circuit 15. In addition, a tracking signal and a focus signal are detected respectively with a tracking photosensor 16 and a focus photosensor 17 and a tracking error and a focus error are calculated with the processing circuit 15. These errors are fed to a controller 18 to drive an optical system driver 19 based on the control output for performing a tracking servo and a focus servo.

